

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 13-22

A

Abraham WC, 19:437-62
Allendoerfer KL, 17:185-218
Amara SG, 16:73-93
Andersen RA, 20:299-326
Anderson DJ, 16:129-58
Angleton JK, 22:1-10
Arbas EA, 14:9-38
Armstrong RC, 16:17-29
Arnold AP, 20:455-77
Ashley CT Jr, 18:77-99

B

Bal T, 20:185-215
Baltuch G, 22:219-40
Bandlow CE, 16:565-95
Banker G, 17:267-310
Barbe MF, 20:1-24
Barde Y-A, 19:289-317
Bargmann CI, 16:47-71;
21:279-308
Barlow H, 13:15-24
Barnes BA, 13:441-74
Bate M, 19:545-75
Bear MF, 19:437-62
Bellugi U, 13:283-307
Bernard CCA, 17:247-65
Betz WI, 22:1-10
Biel M, 17:399-418
Bina KG, 13:387-401
Bloom GS, 14:59-92
Bothwell M, 18:223-53
Botzler SW, 20:455-77
Bouchard TJ Jr, 21:1-24
Boussaoud D, 20:25-42
Bowe MA, 18:443-62
Bradley DC, 20:299-326
Brainard MS, 18:19-43
Broadie K, 19:545-75
Brodin L, 14:169-99
Brown TH, 13:475-511
Buck LB, 19:517-44
Bullock TH, 16:1-15
Buonomano D, 21:149-86

C

Callaerts P, 20:479-528
Callaway EM, 15:31-56;
21:47-74

Caminiti R, 20:25-42
Campos-Ortega JA,
14:399-420
Cannon SC, 19:141-64
Caron MG, 16:299-321
Carr CE, 16:223-43
Cawthon R, 16:183-205
Chambers KC, 13:373-85
Chen C, 20:157-84
Chen K, 22:197-217
Chiba A, 19:545-75
Chiu C-Y, 16:159-82
Choi DW, 13:171-82;
21:347-75
Christie BR, 19:165-86
Chun LLY, 13:441-74
Ciaranello AL, 18:101-28
Ciaranello RD, 18:101-28
Cinelli AR, 15:321-51
Clapham DE, 17:441-64
Cleveland DW, 19:187-217
Cline HT, 13:129-54
Cochilla AJ, 22:1-10
Colamarino SA, 18:497-529
Colbert CM, 19:165-86
Colby CL, 22:319-50
Connor JA, 18:319-57
Constantine-Paton M,
13:129-54
Corey DP, 13:441-74;
20:563-90
Corwin JT, 14:301-33
Craig AM, 17:267-310
Curran T, 14:421-51

D

Damasio AR, 13:89-109
Damasio H, 13:89-109
Davies AM, 13:61-73
Davis M, 15:353-75
Daw NW, 16:207-22
Deadwyler SA, 20:217-44
DeArmond SI, 17:311-39
Debski E, 13:129-54
Deckwerth TL, 16:31-46
DeLuca NA, 19:265-87
DePaulo JR, 20:351-69
Desimone R, 18:193-222
Dethier VG, 13:1-13
Dodd J, 13:227-55
Douglas R, 18:255-81

Doupe AJ, 22:567-631
Dreyfuss G, 20:269-98
du Lac S, 18:409-41
Dubnau J, 21:407-44
Duncan J, 18:193-222

E

Eagleson KL, 20:1-24
Edwards RH, 20:125-56
Eipper BA, 15:57-85
Eisen JS, 17:1-30
Elfvig L-G, 16:471-507
Emeson RB, 19:27-52

F

Fallon JR, 18:443-62
Fawcett JW, 13:43-60
Fernald RD, 15:1-29
Fields HL, 14:219-45
Fiez JA, 16:509-30
Finch CE, 13:75-88
Fink DJ, 19:265-87
Fischbach GD, 20:425-54
Fischbeck KH, 19:79-107
Fischer U, 20:269-98
Fisher LJ, 18:159-92
Fitch RH, 20:327-49
Flanagan JG, 21:309-45
Flanders M, 15:167-91
Flokerzi V, 17:399-418
Fox K, 16:207-22
Francis NJ, 22:541-66
Frankland PW, 21:127-48
Froehner SC, 16:347-68

G

Gage FH, 18:159-92
Garbers DL, 15:193-225
García-Añoveros J, 20:563-90
Gehring WJ, 20:479-528
Georgopoulos AP, 14:361-77
Geppert M, 21:75-95
Gerfen CR, 15:285-320
Gingrich JA, 16:299-321
Gingrich JR, 21:377-405
Glass JD, 19:1-26
Glorioso JC, 19:265-87
Gluck MA, 16:667-706

CUMULATIVE INDEXES

CONTRIBUTING AUTHORS, VOLUMES 13-22

A

Abraham WC, 19:437-62
Allendoerfer KL, 17:185-218
Amara SG, 16:73-93
Andersen RA, 20:299-326
Anderson DJ, 16:129-58
Angleton JK, 22:1-10
Arbas EA, 14:9-38
Armstrong RC, 16:17-29
Arnold AP, 20:455-77
Ashley CT Jr, 18:77-99

B

Bal T, 20:185-215
Baltuch G, 22:219-40
Bandlow CE, 16:565-95
Banker G, 17:267-310
Barbe MF, 20:1-24
Barde Y-A, 19:289-317
Bargmann CI, 16:47-71;
21:279-308
Barlow H, 13:15-24
Barnes BA, 13:441-74
Bate M, 19:545-75
Bear MF, 19:437-62
Bellugi U, 13:283-307
Bernard CCA, 17:247-65
Betz WI, 22:1-10
Biel M, 17:399-418
Bina KG, 13:387-401
Bloom GS, 14:59-92
Bothwell M, 18:223-53
Botzler SW, 20:455-77
Bouchard TJ Jr, 21:1-24
Boussaoud D, 20:25-42
Bowe MA, 18:443-62
Bradley DC, 20:299-326
Brainard MS, 18:19-43
Broadie K, 19:545-75
Brodin L, 14:169-99
Brown TH, 13:475-511
Buck LB, 19:517-44
Bullock TH, 16:1-15
Buonomano D, 21:149-86

C

Callaerts P, 20:479-528
Callaway EM, 15:31-56;
21:47-74

Caminiti R, 20:25-42
Campos-Ortega JA,
14:399-420
Cannon SC, 19:141-64
Caron MG, 16:299-321
Carr CE, 16:223-43
Cawthon R, 16:183-205
Chambers KC, 13:373-85
Chen C, 20:157-84
Chen K, 22:197-217
Chiba A, 19:545-75
Chiu C-YP, 16:159-82
Choi DW, 13:171-82;
21:347-75
Christie BR, 19:165-86
Chun LLY, 13:441-74
Ciaranello AL, 18:101-28
Ciaranello RD, 18:101-28
Cinelli AR, 15:321-51
Clapham DE, 17:441-64
Cleveland DW, 19:187-217
Cline HT, 13:129-54
Cochilla AJ, 22:1-10
Colamarino SA, 18:497-529
Colbert CM, 19:165-86
Colby CL, 22:319-50
Connor JA, 18:319-57
Constantine-Paton M,
13:129-54
Corey DP, 13:441-74;
20:563-90
Corwin JT, 14:301-33
Craig AM, 17:267-310
Curran T, 14:421-51

D

Damasio AR, 13:89-109
Damasio H, 13:89-109
Davies AM, 13:61-73
Davis M, 15:353-75
Daw NW, 16:207-22
Deadwyler SA, 20:217-44
DeArmond SI, 17:311-39
Debski E, 13:129-54
Deckwerth TL, 16:31-46
DeLuca NA, 19:265-87
DePaulo JR, 20:351-69
Desimone R, 18:193-222
Dethier VG, 13:1-13
Dodd J, 13:227-55
Douglas R, 18:255-81

Doupe AJ, 22:567-631
Dreyfuss G, 20:269-98
du Lac S, 18:409-41
Dubnau J, 21:407-44
Duncan J, 18:193-222

E

Eagleson KL, 20:1-24
Edwards RH, 20:125-56
Eipper BA, 15:57-85
Eisen JS, 17:1-30
Elfvig L-G, 16:471-507
Emeson RB, 19:27-52

F

Fallon JR, 18:443-62
Fawcett JW, 13:43-60
Fernald RD, 15:1-29
Fields HL, 14:219-45
Fiez JA, 16:509-30
Finch CE, 13:75-88
Fink DJ, 19:265-87
Fischbach GD, 20:425-54
Fischbeck KH, 19:79-107
Fischer U, 20:269-98
Fisher LJ, 18:159-92
Fitch RH, 20:327-49
Flanagan JG, 21:309-45
Flanders M, 15:167-91
Flokerzi V, 17:399-418
Fox K, 16:207-22
Francis NJ, 22:541-66
Frankland PW, 21:127-48
Froehner SC, 16:347-68

G

Gage FH, 18:159-92
Garbers DL, 15:193-225
García-Añoveros J, 20:563-90
Gehring WJ, 20:479-528
Georgopoulos AP, 14:361-77
Geppert M, 21:75-95
Gerfen CR, 15:285-320
Gingrich JA, 16:299-321
Gingrich JR, 21:377-405
Glass JD, 19:1-26
Glorioso JC, 19:265-87
Gluck MA, 16:667-706

Goins WF, 19:265-87
 Goldberg ME, 22:319-50
 González-Scarano F, 22:219-40
 Goodkin HG, 15:403-42
 Goodman CS, 19:341-77
 Goodman RH, 13:111-27
 Granger R, 16:667-706
 Gray CM, 18:555-86
 Greenberg ME, 19:463-89
 Griffin JW, 21:187-226
 Grillner S, 14:169-99
 Grote E, 16:95-127
 Gudermann T, 20:395-423

H

Halder G, 20:479-528
 Hampson RE, 20:217-44
 Harris KM, 17:341-71
 Harris WA, 13:155-69
 Harris-Warrick RM, 14:39-57
 Hatten ME, 18:385-408;
 22:511-39
 Hatton GI, 20:371-93
 Hawkins RD, 16:625-65
 Heiligenberg W, 14:247-67
 Heinenmann S, 17:31-108
 Heinricher MM, 14:219-45
 Heintz N, 18:385-408
 Hemmati-Brivanlou A,
 20:43-60
 Herrup K, 20:61-90
 Hess P, 13:337-56
 Highstein SM, 17:465-88
 Hildebrand JG, 20:591-629
 Hlavín ML, 21:97-125
 Ho TW, 21:187-226
 Hofmann F, 17:399-418
 Hökfelt T, 16:471-507
 Hollmann M, 17:31-108
 Holt CE, 13:155-69
 Housman DE, 14:503-29
 Hsiao SS, 15:227-50
 Hubel DH, 14:1-8
 Hynes MA, 13:227-55

I

Ikenaka K, 14:201-17
 Ip NY, 19:491-515

J

Jahn R, 17:216-46
 Jamison KR, 20:351-69
 Jan LY, 20:91-123
 Jan YN, 14:399-420; 20:91-123
 Jessell TM, 13:227-55;
 22:261-94

Johnson EM Jr, 16:31-46
 Johnson KO, 15:227-50
 Johnson PB, 20:25-42
 Johnston RT, 19:1-26
 Johnston D, 19:165-86
 Jones EG, 22:49-103
 Julius D, 14:335-60

K

Kaas JH, 14:137-67
 Kairiss EW, 13:475-511
 Kamiguchi H, 21:97-125
 Kandel ER, 16:625-65
 Kapfhammer JP, 16:565-95
 Kaplan JM, 21:279-308
 Kater SB, 17:341-71
 Katz L, 15:31-56
 Katz LC, 22:295-318
 Kauer JS, 15:321-51
 Keating JG, 15:403-42
 Keenan CL, 13:475-511
 Kelly RB, 16:95-127
 Keshishian H, 19:545-75
 Keynes R, 13:43-60; 17:109-32
 Kida S, 21:127-48
 Kimmel CB, 16:707-32
 Kintner C, 15:251-84
 Klima ES, 13:283-307
 Knudsen EI, 18:19-43
 Kobilka B, 15:87-114
 Kogan JH, 21:127-48
 Koh JY, 21:347-75
 Korsmeyer SJ, 20:245-67
 Krumlauf R, 17:109-32
 Krupa DJ, 17:519-49
 Kuemerle B, 20:61-90
 Kuhar MJ, 16:73-93
 Kuhl PK, 22:567-631

L

Land MF, 15:1-29
 Landis DMD, 17:133-51
 Landis SC, 22:541-66
 Lansner A, 14:169-99
 Lee KJ, 22:261-94
 Lee MK, 19:187-217
 Lemmon V, 21:97-125
 Levine M, 13:195-225
 Levine RB, 13:183-94
 Levitt P, 20:1-24
 Lewin GR, 19:289-317
 Lichtman JW, 22:389-442
 Linden DJ, 18:319-57
 Lindh B, 16:471-507
 Linial M, 14:93-122
 Linsker R, 13:257-81
 Lisberger SG, 18:409-41
 Liu Y, 20:125-56

Lo DC, 22:295-318
 Loeb GE, 13:357-71
 Logothetis NK, 19:577-621
 Lumsden A, 13:61-73

M

Macagno E, 13:195-225
 MacDermott AB, 22:443-85
 MacDonald RL, 17:569-602
 MacKinnon DF, 20:351-69
 Madison DV, 14:379-97;
 17:153-83
 Magee JC, 19:165-86
 Mahowald M, 18:255-81
 Mains RE, 15:57-85
 Malenka RC, 14:379-97
 Mallick DM, 18:283-317
 Mandel G, 16:323-45
 Marder E, 14:39-57; 21:25-45
 Martinez S, 21:445-77
 Mason P, 14:219-45
 Matthews G, 19:219-33
 Maunsell JHR, 16:369-402
 Mays LE, 13:309-36
 McAllister AK, 22:295-318
 McConnell SK, 14:269-300
 McCormick DA, 20:185-215
 McEwen BS, 22:105-22
 McGue M, 21:1-24
 McKhann GM, 21:187-226
 McKinnon D, 16:323-45
 McNamara JO, 22:175-95
 Mead C, 18:255-81
 Meinertzhagen IA, 14:9-38
 Melton D, 20:43-60
 Menzel R, 13:403-14;
 19:379-404
 Merigan WH, 16:369-402
 Merry DE, 20:245-67
 Merzenich MM, 21:149-86
 Michael WM, 20:269-98
 Mikoshiba K, 14:201-17
 Miller A, 17:247-65
 Miller S, 20:327-49
 Miyashita Y, 16:245-63
 Mombaerts P, 22:487-509
 Montminy MR, 16:17-29
 Morgan DG, 13:75-88
 Morgan JJ, 14:421-51
 Moschovakis AK, 17:465-88
 Mueller BK, 22:351-88
 Müller U, 19:379-404

N

Nakanishi S, 14:123-36
 Nakielný S, 20:269-98
 Nestler EJ, 18:463-95
 Newsome WT, 21:227-77

Nicoll RA, 14:379-97
Nishizuka Y, 17:551-67

D

Ochsner KN, 16:159-82
Okano H, 14:201-17
Oksenberg JR, 17:247-65
Olanow CW, 22:123-44
O'Leary DDM, 17:419-39
Olsen RW, 17:569-602
Oppenheim RW, 14:453-501

P

Parker AJ, 21:227-77
Paulson HL, 19:79-107
Pearson KG, 16:265-97
Petersen SE, 13:25-42; 16:509-30
Poizner H, 13:283-307
Posner MI, 13:25-42
Price DL, 21:479-505
Prusiner SB, 17:311-39
Puelles L, 21:445-77

R

Raisman G, 20:529-62
Ranganathan R, 18:283-317
Ray J, 18:159-92
Raymond JL, 18:409-41
Reeke GN Jr, 16:597-623
Reichardt LF, 14:531-70
Ridd M, 22:197-217
Roder J, 21:377-405
Role LW, 22:443-85
Rose EA, 14:503-29
Rosen KM, 20:425-54
Rosenfeld MG, 15:139-65
Roses AD, 19:53-77
Rothman SM, 13:171-82
Rubenstein JLR, 21:445-77
Rubin GM, 17:373-97
Rubin LL, 22:11-28
Rusak B, 13:387-401

S

Sanes JR, 22:389-442
Sargent PB, 16:403-43
Schacter DL, 16:159-82
Schall JD, 22:241-59

Scheller RH, 14:93-122
Schlaggar BL, 17:419-39
Schöneberg T, 20:395-423
Schultz G, 20:395-423
Schuman EM, 17:153-83
Schwab ME, 16:565-95
Segal RA, 19:463-89
Sejnowski TJ, 18:409-41
Self DW, 18:463-95
Selkoe DJ, 17:489-517
Selverston AI, 16:531-46
Shatz CJ, 17:185-218
Shaw SR, 14:9-38
Sheinberg DL, 19:577-621
Shepherd GM, 20:591-629
Shih JC, 22:197-217

Shimamura K, 21:445-77
Siegelbaum SA, 16:625-65;
19:235-63; 22:443-85
Silva AJ, 21:127-48
Simpson L, 19:27-52
Singer W, 18:555-86
Sisodia SS, 21:479-505
Sladek JR Jr, 13:415-40
Snipes GJ, 18:45-75
Snyder LH, 20:299-326
Soechting JF, 15:167-91
Soriano P, 18:1-18
Sparks DL, 13:309-36
Sporns O, 16:597-623
Squire LR, 16:547-63
Staddon JM, 22:11-28
Stein PSG, 16:207-22
Steindler DA, 16:445-70
Steinman L, 17:247-65
Stoffers DA, 15:57-85
Strittmatter WJ, 19:53-77
Südhof TC, 17:219-46; 21:75-95
Suter U, 18:45-75

T

Takahashi JS, 18:531-53
Tallal P, 20:327-49
Tamura T, 14:201-17
Tanaka C, 17:551-67
Tanaka K, 19:109-39
Tatton WG, 22:123-44
Tees RC, 15:377-402
Tessier-Lavigne M, 18:497-529
Thach WT, 15:403-42
Thompson KG, 22:241-59
Thompson RF, 17:519-49

Tomaselli KJ, 14:531-70
Tonegawa S, 20:157-84
Tranel D, 13:89-109
Treacy MN, 15:139-65
Trimble WS, 14:93-122
Tully T, 21:407-44
Tuttle R, 17:419-39

V

Vallee RB, 14:59-92
Vanderhaeghen P, 21:309-45
Viskochil D, 16:183-205

W

Wallén P, 14:169-99
Wandell BA, 22:145-73
Warchol ME, 14:301-33
Warren ST, 18:77-99
Weeks JC, 13:183-94
Wehner R, 13:403-14
Weinberger NM, 18:129-58
Werker JF, 15:377-402
Wexler NS, 14:503-29
White FJ, 19:405-36
White R, 16:183-205
Whitney KD, 22:175-95
Wise RA, 19:319-40
Wise SP, 20:25-42
Wong ROL, 22:29-47

X

Xing J, 20:299-326

Y

Yamasaki M, 21:97-125
Yancopoulos GD, 19:491-515
Yuen PST, 15:193-225
Yurek DM, 13:415-40

Z

Zagotta WN, 19:235-63
Zimmer A, 15:115-37
Zipursky SL, 17:373-97
Zola-Morgan S, 16:547-63;
18:359-83
Zuker CS, 18:283-317

CHAPTER TITLES, VOLUMES 13-22

AUTONOMIC NERVOUS SYSTEM		
The Chemical Neuroanatomy of Sympathetic Ganglia	L-G Elfvin, B Lindh, T Hökfelt	16:471-507
BASAL GANGLIA		
Ion Channels in Vertebrate Glia	BA Barres, LLY Chun, DP Corey	13:441-74
CEREBRAL CORTEX		
Development of Local Circuits in Mammalian Visual Cortex	LC Katz, EM Callaway	15:31-56
The Role of NMDA Receptors in Information Processing	NW Daw, PSG Stein, K Fox	16:207-22
Inferior Temporal Cortex: Where Visual Perception Meets Memory	Y Miyashita	16:245-63
Localization of Brain Function: The Legacy of Franz Joseph Gall (1758-1828)	S Zola-Morgan	18:359-83
Visual Feature Integration and the Temporal Correlation Hypothesis	W Singer, CM Gray	18:555-86
Inferotemporal Cortex and Object Vision	K Tanaka	19:109-39
Patterning and Specification of the Cerebral Cortex	P Levitt, MF Barbe, KL Eagleson	20:1-24
Sleep and Arousal: Thalamocortical Mechanisms	DA McCormick, T Bal	20:185-215
Multimodal Representation of Space in the Posterior Parietal Cortex and Its Use in Planning Movements	RA Andersen, LH Snyder, DC Bradley, J King	20:299-326
Local Circuits in Primary Visual Cortex of the Macaque Monkey	EM Callaway	21:47-74
CIRCADIAN AND OTHER RHYTHMS		
Molecular Neurobiology and Genetics of Circadian Rhythms in Mammals	JS Takahashi	18:531-53
CLINICAL NEUROSCIENCE		
RNA and Protein Metabolism in the Aging Brain	CE Finch, DG Morgan	13:75-88
Face Agnosia and the Neural Substances of Memory	AR Damasio, D Tranel, H Damasio	13:89-109
The Role of Glutamate Neurotoxicity in Hypoxic-Ischemic Neuronal Death	DW Choi, SM Rothman	13:171-82
Dopamine Cell Replacement: Parkinson's Disease	DM Yurek, JR Sladek Jr	13:415-40
Molecular Approaches to Hereditary Diseases of the Nervous System: Huntington's Disease as a Paradigm	NS Wexler, EA Rose, DE Housman	14:503-29
The Neurofibromatosis Type 1 Gene	D Viskochil, R White, R Cawthon	16:183-205
The Epigenetics of Multiple Sclerosis: Clues to Etiology and a Rationale for Immune Theory	L Steinman, A Miller, CCA Bernard, JR Oksenberg	17:247-65

Normal and Abnormal Biology of the β -Amyloid Precursor Protein	DI Selkoe	17:489-517
Biology and Genetics of Hereditary Motor and Sensory Neuropathies	U Suter, GJ Snipes	18:45-75
Triplet Repeat Expansion Mutations: The Example of Fragile X Syndrome	ST Warren, CT Ashley Jr	18:77-99
The Neurobiology of Infantile Autism	AL Ciaranello, RD Ciaranello	18:101-28
Molecular Mechanisms of Drug Reinforcement and Addiction	DW Self, EJ Nestler	18:463-95
Human Immunodeficiency Virus and the Brain	JD Glass, RT Johnson	19:1-26
Apolipoprotein E and Alzheimer's Disease	WJ Strittmatter, AD Roses	19:53-77
Trinucleotide Repeats in Neurogenetic Disorders	HL Paulson, KH Fischbeck	19:79-107
Sodium Channel Defects in Myotonia and Periodic Paralysis	SC Cannon	19:141-64
Addictive Drugs and Brain Stimulation Reward	RA Wise	19:319-40
The Role of Vesicular Transport Proteins in Synaptic Transmission and Neural Degeneration	Y Liu, RH Edwards	20:125-56
Genetics of Manic Depressive Illness	DF MacKinnon, KR Jamison, JR DePaulo	20:351-69
Human Autoimmune Neuropathies	TW Ho, GM McKhann, JW Griffin	21:187-226
Zinc and Brain Injury	DW Choi, JY Koh	21:347-75
Mutant Genes in Familial Alzheimer's Disease and Transgenic Models	DL Price, SS Sisodia	21:479-505
Etiology and Pathogenesis of Parkinson's Disease	CW Olanow, WG Tatton	22:123-44
Microglia as Mediators of Inflammatory and Degenerative Diseases	F González-Scarano, G Baltuch	22:219-40
COMPARATIVE NEUROSCIENCE		
Evolution in Nervous Systems	EA Arbas, IA Meinertzhagen, SR Shaw	14:9-38
Processing of Temporal Information in the Brain	CE Carr	16:223-43
Patterning the Brain of the Zebrafish Embryo	CB Kimmel	16:707-32
COMPUTATIONAL APPROACHES		
Behaviorally Based Modeling and Computational Approaches to Neuroscience	GN Reeke Jr, O Sporns	16:597-623
Computational Models of the Neural Bases of Learning and Memory	MA Gluck, R Granger	16:667-706
From Biophysics to Models of Network Function	E Marder	21:25-45
CYTOSKELETON AND AXONAL TRANSPORT		
Mechanisms of Fast and Slow Axonal Transport	RB Vallee, GS Bloom	14:59-92
Neuronal Polarity	AM Craig, G Banker	17:267-310
Neuronal Intermediate Filaments	MK Lee, DW Cleveland	19:187-217
DEVELOPMENTAL NEUROBIOLOGY		
Ontogeny of the Somatosensory System: Origins and Early Development of Primary Sensory Neurons	AM Davies, A Lumsden	13:61-73
Patterned Activity, Synaptic Convergence, and the NMDA Receptor in Developing Visual Pathways	M Constantine-Paton, HT Cline, E Debski	13:129-54
Early Events in the Embryogenesis of the Vertebrate Visual System: Cellular Determination and Pathfinding	WA Harris, CE Holt	13:155-69
Postembryonic Neuronal Plasticity and Its Hormonal Control During Insect Metamorphosis	JC Weeks, RB Levine	13:183-94

Segmentation and Segmental Differentiation in the Development of the Central Nervous Systems of Leeches and Flies	M Levine, E Macagno	13:195-225
Carbohydrates and Carbohydrate-Binding Proteins in the Nervous System	TM Jessell, MA Hynes, J Dodd	13:227-55
The Generation of Neuronal Diversity in the Central Nervous System	SK McConnell	14:269-300
Cell Death During Development of the Nervous System	RW Oppenheim	14:453-501
The Biosynthesis of Neuropeptides: Peptide α -Amidation	BA Eipper, DA Stoffers, RE Mains	15:57-85
Manipulating the Genome by Homologous Recombination in Embryonic Stem Cells	A Zimmer	15:115-37
Molecular Bases of Early Neural Development in <i>Xenopus</i> Embryos	C Kintner	15:251-84
Voltage-Sensitive Dyes and Functional Activity in the Olfactory Pathway	AR Cinelli, JS Kauer	15:321-51
The Role of the Amygdala in Fear and Anxiety	M Davis	15:353-75
Molecular Mechanisms of Developmental Neuronal Death	EM Johnson Jr, TL Deckwerth	16:31-46
Molecular Control of Cell Fate in the Neural Crest: The Sympathoadrenal Lineage	DJ Anderson	16:129-58
Inhibitors of Neurite Growth	ME Schwab, JP Kapfhammer, CE Bandtlow	16:565-95
Development of Motoneuronal Phenotype	JS Eisen	17:1-30
<i>Hox</i> Genes and Regionalization of the Nervous System	R Keynes, R Krumlauf	17:109-32
The Subplate, A Transient Neocortical Structure: Its Role in the Development of Connections between Thalamus and Cortex	KL Allendoerfer, CJ Shatz	17:185-218
Determination of Neuronal Cell Fate: Lessons From the R7 Neuron of <i>Drosophila</i>	SL Zipursky, GM Rubin	17:373-97
Specification of Neocortical Areas and Thalamocortical Connections	DDM O'Leary, BL Schlaggar, R Tuttle	17:419-39
Creating a Unified Representation of Visual and Auditory Space in the Brain	EI Knudsen, MS Brainard	18:19-43
Isolation, Characterization, and Use of Stem Cells from the CNS	FH Gage, J Ray, LJ Fisher	18:159-92
Mechanisms of Neural Patterning and Specification in the Developing Cerebellum	ME Hatten, N Heintz	18:385-408
The Role of the Floor Plate in Axon Guidance	SA Colamarino, M Tessier-Lavigne	18:497-529
Mechanisms and Molecules that Control Growth Cone Guidance	CS Goodman	19:341-77
The <i>Drosophila</i> Neuromuscular Junction: A Model System for Studying Synaptic Development and Function	H Keshishian, K Broadie, A Chiba, M Bate	19:545-75
Vertebrate Neural Induction	A Hemmati-Brivanlou, D Melton	20:43-60
<i>Pax-6</i> in Development and Evolution	P Callaerts, G Halder, WJ Gehring	20:479-528
Adhesion Molecules and Inherited Diseases of the Human Nervous System	ML Hlavín, H Kamiguchi, M Yamasaki, V Lemmon	21:97-125
Regionalization of the Prosencephalic Neural Plate	JLR Rubenstein, K Shimamura, S Martinez, L Puelles	21:445-77
Retinal Waves and Visual System Development	ROL Wong	22:29-47
The Specification of Dorsal Cell Fates in the Vertebrate Central Nervous System	KJ Lee, TM Jessell	22:261-94

648 CHAPTER TITLES

Growth Cone Guidance: First Steps Towards a Deeper Understanding	BK Mueller	22:351-88
Development of the Vertebrate Neuromuscular Junction	JR Sanes, JW Lichtman	22:389-442
Central Nervous System Neuronal Migration	ME Hatten	22:511-39
Cellular and Molecular Determinants of Sympathetic Neuron Development	NJ Francis, SC Landis	22:541-66
GLIA, SCHWANN CELLS, AND EXTRACELLULAR MATRIX		
Extracellular Matrix Molecules and Their Receptors: Functions in Neural Development	LF Reichardt, KJ Tomaselli	14:531-70
Glial Boundaries in the Developing Nervous System	DA Steindler	16:445-70
The Early Reactions of Non-Neuronal Cells to Brain Injury	DMD Landis	17:133-51
HIGHER FUNCTIONS		
Monoamine Oxidase: From Genes to Behavior	JC Shih, K Chen, M Ridd	22:197-217
ION CHANNELS		
Calcium Channels in Vertebrate Cells	P Hess	13:337-56
Ion Channels in Vertebrate Glia	BA Barres, LLY Chun, DP Corey	13:441-74
Molecular Basis for Ca^{2+} Channel Diversity	F Hofmann, M Biel, V Flockerzi	17:399-418
Direct G Protein Activation of Ion Channels? Structure and Function of Cyclic Nucleotide-Gated Channels	DE Clapham	17:441-64
Cloned Potassium Channels from Eukaryotes and Prokaryotes	WN Zagotta, SA Siegelbaum	19:235-63
	LY Jan, YN Jan	20:91-123
LANGUAGE		
Biological Foundations of Language: Clues from Sign Language	H Poizner, U Bellugi, ES Klima	13:283-307
The Processing of Single Words Studied with Positron Emission Tomography	SE Petersen, JA Fiez	16:509-30
Birdsong and Human Speech: Common Themes and Mechanisms	AJ Doupe, PK Kuhl	22:567-631
LEARNING AND MEMORY		
Hebbian Synapses: Biophysical Mechanisms and Algorithms	TH Brown, EW Kairiss, CL Keenan	13:475-511
The Organization and Reorganization of Human Speech Perception	JF Werker, RC Tees	15:377-402
Implicit Memory: A Selective Review	DL Schacter, C-YP Chiu, KN Ochsner	16:159-82
Neuroanatomy of Memory	S Zola-Morgan, LR Squire	16:547-63
Organization of Memory Traces in the Mammalian Brain	RF Thompson, DJ Krupa	17:519-49
Learning and Memory in Honeybees: From Behavior to Neural Substrates	R Menzel, U Müller	19:379-404
Neurobiology of Speech Perception	RH Fitch, S Müller, P Tallal	20:327-49
CREB and Memory	AJ Silva, JH Kogan, PW Frankland, S Kida	21:127-48
Gene Discovery in <i>Drosophila</i> : New Insights for Learning and Memory	J Dubnau, T Tully	21:407-44
MISCELLANEOUS		
An Urge to Explain the Incomprehensible: Geoffrey Harris and the Discovery Control of the Pituitary Gland	G Raisman	20:529-62
The Cell Biology of the Blood-Brain Barrier	LL Rubin, JM Staddon	22:11-28

Making Brain Connections: Neuroanatomy and the Work of TPS Powell, 1923-1966	EG Jones	22:49-103
MOLECULAR NEUROSCIENCE		
RNA and Protein Metabolism in the Aging Brain	CE Finch, DG Morgan	13:75-88
Regulation of Neuropeptide Gene Expression	RH Goodman	13:111-27
Stimulus-Transcription Coupling in the Nervous System: Involvement of the Inducible Proto-Oncogenes <i>fos</i> and <i>jun</i>	JJ Morgan, T Curran	14:421-51
Neurotransmitter Transporters: Recent Progress	SG Amara, MJ Kuhar	16:73-93
Molecular Basis of Neural-Specific Gene Expression	G Mandel, D McKinnon	16:323-45
Prion Diseases and Neurodegeneration	SB Prusiner, SJ DeArmond	17:311-39
The Protein Kinase C Family for Neuronal Signaling	C Tanaka, Y Nishizuka	17:551-67
Functional Interactions of Neurotrophins and Neurotrophin Receptors	M Bothwell	18:223-53
The Role of Agrin in Synapse Formation	MA Bowe, JR Fallon	18:443-62
RNA Editing	L Simpson, RB Emeson	19:27-52
Physiology of the Neurotrophins	GR Lewin, Y-A Barde	19:289-317
Intracellular Signaling Pathways Activated by Neurotrophic Factors	RA Segal, ME Greenberg	19:463-89
The Neurotrophins and CNTF: Two Families of Collaborative Neurotrophic Factors	NY Ip, GD Yancopoulos	19:491-515
RNA Transport	S Nakielnny, U Fischer, WM Michael, G Dreyfuss	20:269-98
ARIA: A Neuromuscular Junction Neuregulin Rab3 and Synaptotagmin: The Yin and Yang of Synaptic Membrane Fusion	GD Fischbach, KM Rosen	20:425-54
Inducible Gene Expression in the Nervous System of Transgenic Mice	M Geppert, TC Südhof	21:75-95
	JR Gingrich, J Roder	21:377-405
MOTOR SYSTEMS		
Signal Transformations Required for the Generation of Saccadic Eye Movements	DL Sparks, LE Mays	13:309-36
Higher Order Motor Control	AP Georgopoulos	14:361-77
Moving in Three-Dimensional Space: Frames of Reference, Vectors, and Coordinate Systems	JF Soechting, M Flanders	15:167-91
The Neostriatal Mosaic: Multiple Levels of Compartmental Organization in the Basal Ganglia	CR Gerfen	15:285-320
Cerebellum and Adaptive Coordination of Movement	WT Thach, HG Goodkin, JG Keating	15:403-42
The Anatomy and Physiology of Primate Neurons that Control Rapid Eye Movements	AK Moschovakis, SM Highstein	17:465-88
Learning and Memory in the Vestibulo-Ocular Reflex	S du Lac, JL Raymond, TJ Sejnowski, SG Lisberger	18:409-41
Premotor and Parietal Cortex: Corticocortical Connectivity and Combinatorial Computations	SP Wise, D Boussaoud, PB Johnson, R Caminiti	20:25-42
MYELIN		
Structure and Function of Myelin Protein Genes	K Mikoshiba, H Okano, T Tamura, K Ikenaka	14:201-17
NEURAL MEMBRANES		
Protein Targeting in the Neuron	RB Kelly, E Grote	16:95-127

650 CHAPTER TITLES

NEURAL NETWORKS

- Perceptual Neural Organization: Some Approaches Based on Network Models and Information Theory R Linsker 13:257-81
- Modulation of Neural Networks for Behavior RM Harris-Warrick, E Marder 14:39-57
- Neuronal Network Generating Locomotor Behavior in Lamprey: Circuitry, Transmitters, Membrane Properties, and Simulation S Grillner, P Wallén, L Brodin, A Lansner 14:169-99
- Modeling of Neural Circuits: What Have We Learned? AI Selverston 16:531-46
- Neuromorphic Analogue VLSI R Douglas, M Mahowald, C Mead 18:255-81
- The Significance of Neuronal Ensemble Codes During Behavior and Cognition SA Deadwyler, RE Hampson 20:217-44

NEUROETHOLOGY

- Do Insects Have Cognitive Maps? R Wehner, R Menzel 13:403-14
- The Neural Basis of Behavior: A Neuroethological View W Heiligenberg 14:247-67
- Developmental Plasticity in Neural Circuits for a Learned Behavior SW Botjter, AP Arnold 20:455-77

NEUROGENETICS

- Genetic and Molecular Bases of Neurogenesis in *Drosophila melanogaster* JA Campos-Ortega, YN Jan 14:399-420
- Genetic and Cellular Analysis of Behavior in *C. elegans* CI Bargmann 16:47-71
- Gene Targeting in ES Cells P Soriano 18:1-18
- The Compartmentalization of the Cerebellum K Herrup, B Kuemerle 20:61-90
- Bcl-2 Gene Family in the Nervous System DE Merry, SJ Korsmeyer 20:245-67
- Genetic and Environmental Influences on Human Behavioral Differences M McGue, TJ Bouchard Jr. 21:1-24
- Signal Transduction in the *Caenorhabditis elegans* Nervous System CI Bargmann, JM Kaplan 21:279-308

NEURONAL PLASTICITY

- Plasticity of Sensory and Motor Maps in Adult Mammals JH Kaas 14:137-67
- Mechanisms Underlying Long-Term Potentiation of Synaptic Transmission DV Madison, RC Malenka, RA Nicoll 14:379-97
- Learning to Modulate Transmitter Release: Themes and Variations in Synaptic Plasticity RD Hawkins, ER Kandel, SA Siegelbaum 16:625-65
- Dynamic Regulation of Receptive Fields and Maps in the Adult Sensory Cortex NM Weinberger 18:129-58
- Long-Term Synaptic Depression DJ Linden, JA Connor 18:319-57
- Active Properties of Neuronal Dendrites D Johnston, JC Magee, CM Colbert, BR Christie 19:165-86
- Molecular Genetic Analysis of Synaptic Plasticity, Activity-Dependent Neural Development, Learning, and Memory in the Mammalian Brain C Chen, S Tonegawa 20:157-84
- Function-Related Plasticity in Hypothalamus GI Hatton 20:371-93
- Cortical Plasticity: From Synapses to Maps D Buonomano, MM Merzenich 21:149-86
- Stress and Hippocampal Plasticity BS McEwen 22:105-22
- Neurotrophins and Synaptic Plasticity AK McAllister, LC Katz, DC Lo 22:295-318

NEUROSCIENCE TECHNIQUES

- Common Principles of Motor Control in Vertebrates and Invertebrates KG Pearson 16:265-97

Gene Transfer to Neurons Using Herpes Simplex Virus-Based Vectors	DJ Fink, NA DeLuca, WF Goins, JC Glorioso	19:265-87
OLFACTION/TASTE		
A Neural Model for Conditioned Taste Aversions	KC Chambers	13:373-85
Information Coding in the Vertebrate Olfactory System	LB Buck	19:517-44
Mechanisms of Olfactory Discrimination: Converging Evidence for Common Principles Across Phyla	JG Hildebrand, GM Shepherd	20:591-629
Molecular Biology of Odorant Receptors in Vertebrates	P Mombaerts	22:487-509
PREFATORY CHAPTER		
Chemosensory Physiology in an Age of Transition	VG Dethier	13:1-13
The Mechanical Mind	H Barlow	13:15-24
Are We Willing to Fight for Our Research?	DH Hubel	14:1-8
Integrative Systems Research on the Brain: Resurgence and New Opportunities	TH Bullock	16:1-15
RECEPTORS AND RECEPTOR SUBTYPES		
Peripheral Nerve Regeneration	JW Fawcett, RJ Keynes	13:43-60
Mammalian Tachykinin Receptors	S Nakanishi	14:123-36
Molecular Biology of Serotonin Receptors	D Julius	14:335-60
Adrenergic Receptors as Models for G Protein-Coupled Receptors	B Kobilka	15:87-114
Expression of a Family of Pou-Domain Protein Regulatory Genes During Development of the Central Nervous System	MN Treacy, MG Rosenfeld	15:139-65
Guanylyl Cyclase-Linked Receptors	PST Yuen, DL Garbers	15:193-225
Recent Advances in the Molecular Biology of Dopamine Receptors	JA Gingrich, MG Caron	16:299-321
Regulation of Ion Channel Distribution at Synapses	SC Froehner	16:347-68
The Diversity of Neuronal Nicotinic Acetylcholine Receptors	PB Sargent	16:403-43
Cloned Glutamate Receptors	M Hollmann, S Heinemann	17:31-108
GABA ^A Receptor Channels	RL Macdonald, RW Olsen	17:569-602
Functional and Structural Complexity of Signal Transduction via G-Protein-Coupled Receptors	T Gudermann, T Schöneberg, G Schultz	20:395-423
The Ephrins and Eph Receptors in Neural Development	JG Flanagan, P Vanderhaeghen	21:309-45
SOMATOSENSORY SYSTEM		
The Evolution of the Eyes	MF Land, RD Fernald	15:1-29
Neural Mechanisms of Tactile Form and Texture Perception	KO Johnson, SS Hsiao	15:227-50
SYNAPSES		
Cellular and Molecular Biology of the Presynaptic Nerve Terminal	WS Trimble, M Linial, RH Scheller	14:93-122
Transsynaptic Control of Gene Expression	RC Armstrong, MR Montminy	16:17-29
Synaptic Vesicles and Exocytosis	R Jahn, TC Südhof	17:216-46
Dendritic Spines: Cellular Specializations Imparting Both Stability and Flexibility to Synaptic Function	KM Harris, SB Kater	17:341-71
Neurotransmitter Release	G Matthews	19:219-33

652 CHAPTER TITLES

Synaptic Regulation of Mesocorticolimbic Dopamine Neurons	FJ White	19:405-36
Long-Term Depression in Hippocampus	MF Bear, WC Abraham	19:437-62
Monitoring Secretory Membrane with FM1-43 Fluorescence	AJ Cochilla, JK Angleson, WJ Betz	22:1-10
Autoimmunity and Neurological Disease: Antibody Modulation of Synaptic Transmission	KD Whitney, JO McNamara	22:175-95
Presynaptic Ionotropic Receptors and the Control of Transmitter Release	AB MacDermott, LW Role, SA Siegelbaum	22:443-85
TRANSMITTER BIOCHEMISTRY		
The Role of Glutamate Neurotoxicity in Hypoxic-Ischemic Neuronal Death	DW Choi, SM Rothman	13:171-82
Neurotransmitters in the Mammalian Circadian System	B Rusak, KG Bina	13:387-401
Neurotransmitters in Nociceptive Modulatory Circuits	HL Fields, MM Heinricher, P Mason	14:219-45
Nitric Oxide and Synaptic Function	EM Schuman, DV Madison	17:153-83
VISION AND HEARING		
The Attention System of the Human Brain	MI Posner, SE Petersen	13:25-42
Signal Transformations Required for the Generation of Saccadic Eye Movements	DL Sparks, LE Mays	13:309-36
Cochlear Prosthetics	GE Loeb	13:357-71
Auditory Hair Cells: Structure, Function, Development, and Regeneration	JT Corwin, ME Warchol	14:301-33
The Molecules of Mechanosensation	J García-Añoveros, DP Corey	20:563-90
VISUAL SYSTEM		
How Parallel Are the Primate Visual Pathways?	WH Merigan, JHR Maunsell	16:369-402
Neural Mechanisms of Selective Visual Attention	R Desimone, J Duncan	18:193-222
Signal Transduction in <i>Drosophila</i> Photoreceptors	R Ranganathan, DM Malicki, CS Zuker	18:283-317
Visual Object Recognition	NK Logothetis, DL Sheinberg	19:577-621
Sense and the Single Neuron: Probing the Physiology of Perception	AJ Parker, WT Newsome	21:227-77
Computational Neuroimaging of Human Visual Cortex	BA Wandell	22:145-73
Neural Selection and Control of Visually Guided Eye Movements	JD Schall, KG Thompson	22:241-59
Space and Attention in Parietal Cortex	CL Colby, ME Goldberg	22:319-50

